IN THE CLAIMS:

1	1-51.	(Cancelled)
1	52.	(New) A method of producing a gas discharge panel, comprising:
2		providing a first plate with partition walls and a phosphor layer;
3		providing a second plate;
4		providing a sealing material on at least one of the first plate and second plate;
5		forming an envelope of the second plate over the first plate to enable the partition
6	walls to form light emitting cells;	
7		applying a dry gas to the envelope;
8		exhausting gases from the envelope while heating the envelope below a sealing
9	temperature of	of the sealing material for a sufficient time period to enable burn out of binding
10	material of the	e sealing material;
11		monitoring the gas pressure applied to an inside of the envelope;
12		increasing the heat applied to the sealing material at the sealing temperature to
13	enable softeni	ing of the sealing material;
14		determining from the gas pressure monitoring, when the gas pressure is increasing
15	in the envelop	pe;
16		lowering an internal pressure in the envelope, based on the monitoring of gas
17	pressure, belo	ow an external pressure to apply a force to assist sealing of the first plate to the
18	second plate;	
19		lowering the temperature applied to the sealing material to solidify a peripheral
20	seal;	

21	apply a cleansing gas after the envelope is sealed;	
22	gradually lower the temperature to ambient temperature;	
23	continuing to monitor the gas pressure applied within the envelope to determine	
24	any leaks in the peripheral seal;	
25	applying a discharge gas to the sealed envelope, if no leaks are determined,	
26	through a gas passageway; and	
27	closing the gas passageway to seal the discharge gas within the envelope.	